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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/732,771	12/09/2003	John R. Bennett	1761	6950

22971 7590 09/06/2006

MICROSOFT CORPORATION  
ATTN: PATENT GROUP DOCKETING DEPARTMENT  
ONE MICROSOFT WAY  
REDMOND, WA 98052-6399

EXAMINER
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PHAM, HUNG Q

ART UNIT	PAPER NUMBER
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2168

DATE MAILED: 09/06/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Interview Summary</b>	Application No.	Applicant(s)	
	10/732,771	BENNETT ET AL.	
	Examiner	Art Unit	
	HUNG Q. PHAM	2168	

All participants (applicant, applicant's representative, PTO personnel):

(1) HUNG Q. PHAM. (3)\_\_\_\_\_.

(2) STEPHEN SIU. (4)\_\_\_\_\_.

Date of Interview: 31 August 2006.

Type: a) ☒ Telephonic b) ☐ Video Conference  
c) ☐ Personal [copy given to: 1) ☐ applicant 2) ☐ applicant's representative]

Exhibit shown or demonstration conducted: d) ☐ Yes e) ☐ No.  
If Yes, brief description: \_\_\_\_\_.

Claim(s) discussed: 1.

Identification of prior art discussed: \_\_\_\_\_.


Agreement with respect to the claims f) ☐ was reached. g) ☐ was not reached. h) ☒ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: A proposal of claim 1 was Right Faxed to examiner. Amended claim 1 appears to overcome the prior arts of record if the limitation "for generating not information..." is revised to indicate this is not an intended use limitation. Examiner reserves the right to reconsider amended claim 1 with respect to 35 U.S.C. § 101, 112, and/or update the search.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN A NON-EXTENDABLE PERIOD OF THE LONGER OF ONE MONTH OR THIRTY DAYS FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

  
\_\_\_\_\_  
Examiner's signature, if required

## Summary of Record of Interview Requirements

### Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record

A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

#### Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews

##### Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

##### 37 CFR §1.2 Business to be transacted in writing.

All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:

- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

- 1) A brief description of the nature of any exhibit shown or any demonstration conducted,
- 2) an identification of the claims discussed,
- 3) an identification of the specific prior art discussed,
- 4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
- 5) a brief identification of the general thrust of the principal arguments presented to the examiner,  
(The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
- 6) a general indication of any other pertinent matters discussed, and
- 7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

#### Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.

**Microsoft**

# Fax

## Transmittal Form

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Phone: (425) 882-8080  
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To: Hung & Pham	From: Stephen Su
Company: US PTO	Bldg/Room:
CC:	Phone Number:
Phone Number:	Date & Time Sent:
Fax Number: 571-273-4040	No. of Pages: 4

☐ Urgent ☐ For Review ☐ Please Comment/Reply

Message...

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## PATENT

First Named Inventor: John R. Bennett

Attorney Docket No.: 117846.02

Application No.: 10/732,771

Group Art Unit: 2168

Filed: December 9, 2003

Confirmation Number: 6950

Customer No.: 22971

Examiner: Hung Q. Pham

Title: Method and System For Attaching Information To Words Of A Trie

Commissioner for Patents

P.O. Box 1450

Alexandria VA 22313-1450

## INTERVIEW AGENDA

Sir:

Prior to the Examiner interview, below are proposed claim amendments for discussion:

1. A computer-implemented method, ~~comprising: for~~  
~~decompressing a trie including a node section containing a plurality of nodes, the method comprising, including:~~  
evaluating a first node of the trie;  
identifying a tag bit in a ~~determining that the first node of the node section, the~~  
tag bit ~~includes a tag flag having a setting for indicating that a multiple tagging in tag~~  
field, ~~that does not contain the tag flag, is attached to the first node;~~  
identifying a, ~~and in response evaluating settings in the multiple-tag mask field~~  
~~in the first node based on the setting of the tag bit, the tag mask field being attached to~~  
~~the first node and including a plurality of bits for, and for each setting that indicates a~~  
~~tag, associating the first generating node with a category corresponding to that tag~~  
~~information based on settings of each bit in the tag mask field;~~  
evaluating a second node of the trie; and  
determining a tag bit in a ~~that the second node of the node section has includes~~  
a tag flag ~~having a setting indicating that a multiple-tag mask field is not attached to the~~  
second node; and  
decompressing the trie based on the node information.
2. The method of claim 1 wherein ~~decompressing the trie further~~  
~~comprises, comprising~~ evaluating a ~~the~~ tag information field to determine that the trie  
was constructed to have at least one node with a multiple tag field.

Application Number: 10/732,771

Attorney Docket Number: 117846.02

Filing Date: 12/09/2003

## PATENT

3. The method of claim 1 wherein the ~~multiple-tag~~ mask field comprises a bitmask, and wherein evaluating each setting in the ~~multiple-tag~~ mask field comprises checking the value of each bit in the bitmask.

4. The method of claim 3 further comprising, evaluating information in a header of the trie to determine a size of the bitmask.

5. The method of claim 1 ~~wherein decompressing the trie further comprises,~~ comprising checking a value field to determine which tags have values associated therewith.

6. The method of claim 1 wherein at least one tag has a value associated therewith, and further comprising, checking a value size array field to determine a size for each value associated with a tag.

7. The method of claim 1 ~~wherein decompressing the trie further comprises~~ comprising, checking a value size array field to determine which tags have values associated therewith.

8. The method of claim 7 further comprising, checking the value size array field to determine a size for each value associated with a tag.

9. The method of claim 1 wherein the first node includes at least one partial enumeration count.

10. The method of claim 1 wherein the first node includes a partial enumeration count for at least one of the tags.

11. A computer-readable medium having computer-executable instructions for performing the method of claim 1.

12-18. (withdrawn).

Application Number: 10/732,771

Attorney Docket Number: 117846.02

Filing Date: 12/09/2003

**PATENT**

Respectfully submitted,  
Microsoft Corporation

Date: \_\_\_\_\_

By: \_\_\_\_\_

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Application Number: 10/732,771  
Attorney Docket Number: 117846.02  
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